

AMENDMENT TO THE CLAIMS

Please cancel claim 17, without prejudice.

Please add new claim 23, as shown below.

Please amend claim 16 to read as shown in following complete list of claims:

- 1-15. (Canceled).
16. (Currently Amended) A method for treating ~~drug abuse~~ ~~dopamine dysregulation~~ in an individual in need of such treatment comprising administering to the individual an agent that inhibits the phosphorylation of Thr75-DARPP-32.
17. (Canceled).
18. (Original) The method of Claim 16, wherein the agent can cross the blood brain barrier.
19. (Original) The method of Claim 16 wherein the phosphorylation of Thr75-DARPP-32 is inhibited by inhibiting Cdk5.
20. (Original) The method of Claim 19 wherein the agent is roscovitine.
21. (Original) The method of Claim 19 wherein the agent is a member of the class of compound selected from the group consisting of an indirubin and a paullone.
22. (Previously Added) The method of Claim 19, wherein the agent binds to Cdk5.
23. (New) A method for treating dopamine dysregulation in an individual in need of such treatment comprising administering to the individual an agent that inhibits the phosphorylation of Thr75-DARPP-32, wherein the phosphorylation of Thr75-DARPP-32 is inhibited by inhibiting Cdk5 and wherein the agent binds to Cdk5.